Index of Claims

| Application No. | Applicant(s) |
|-----------------|--------------|
| 10/630,939      | OSAME ET AL. |
| Examiner        | Art Unit     |
| David Vu        | 2828         |

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | Α | Appeal   |
|---|--------------|---|----------|
| ı | Interference | 0 | Objected |

| Claim             |                       |          |  | Date     | ;                 |  |   |   | Cla   | im       |                         |         |        | Date               | :        |   |           |      | Cla   | aim        |               | ·       |              | Date            | e -        |          |          | $\neg$        |
|-------------------|-----------------------|----------|--|----------|-------------------|--|---|---|---|----------|-------------------------|---------|--------|--------------------|----------|---|-----------|------|-------|------------|---------------|---------|--------------|-----------------|------------|----------|----------|---------------|
|                   | 11                    |          |  |          | П                 |  |   |   |   | =        |                         | Т       | T      |                    |          |   |           |      |       |            |               | $\top$  |              |                 |            | $\neg$   | $\neg$   |               |
| Final<br>Original | 09                    |          |  |          |                   |  |   |   | Final   | Original |                         |         |        |                    |          |   |           |      | Final | Original   |               |         |              |                 |            |          |          |               |
| iĒ   iĔ'          | 107                   |          |  | .        |                   |  |   | :   | ፲፫  | ξĺ       |                         |         |        |                    |          |   |           |      | 造     | Çi         |               |         |              |                 |            |          |          |               |
|                   | 04                    |          | Ш  |          | $\perp$           |  |   |   |   |          |                         |         |        |                    |          |   |           |      |       |            |               |         |              |                 |            |          |          |               |
| 1                 |                       |          | Ш  |          |                   | $\perp$  |   |   |   | 51       |                         |         |        |                    |          |   |           |      |       | 101        |               |         |              |                 |            | $\Box$   |          |               |
| 2                 | 1                     |          |  |          |                   | $\perp$  |   |   |   | 52       |                         |         |        |                    |          |   |           | .;;; |       | 102        |               |         |              |                 |            |          |          |               |
| 3                 | Ш                     | $\perp$  | Ш  |          |                   |  |   | , , , , ,                                 |   | 53       |                         |         |        |                    |          |   |           |      |       | 103        |               |         |              |                 |            |          |          |               |
| 4                 |                       |          | Ш  |          |                   | $\perp$  |   |   |   | 54       |                         |         | ┸      |                    |          |   |           |      |       | 104        |               |         |              | <u> </u>        |            |          |          |               |
| 5                 |                       | $\perp$  | Ш  |          |                   |  |   |   |   | 55       |                         |         |        |                    |          |   |           |      |       | 105        |               |         |              |                 | $\Box$     |          |          |               |
| 6                 | ᆚ                     |          |  |          | $\dashv$          |  |   |   | $\Box$  | 56       |                         |         | 1.     | 1_1                |          | $\perp$                                 |           |      |       | 106        |               |         |              |                 |            | _        | _        | _             |
| 1 7               | Ξ                     | -        | Ш  | $\Box$   |                   | _  | $\perp$                                 |   |   | 57       |                         |         |        |                    |          | $\bot$                                  | Щ         |      |       | 107        |               |         | _            | _               |            | $\perp$  | _        | _             |
| 2 8               | 1                     |          | Ш  |          | _                 | 4  | _                                       |   |   | 58       |                         |         | 4      | $\sqcup$           |          | _ _                                     | _         |      |       | 108        | _             |         | 4_           | <u> </u>        |            | _        | _        | _             |
| 3 9               | H                     | 4        | Ш  | $\perp$  | _                 | _  |   | :::'                                      |   | 59       |                         | _       | _      | -                  |          |   | _         |      |       | 109        |               | _ _     | _            | <u> </u>        |            | _        | _        |               |
| 4 10              | 14/                   | +        | $\vdash \vdash$                                  | $\dashv$ | $\dashv$          | +  | $\perp$                                 |   | <b>  </b>   | 60       | $\dashv$                | 4       | 4      | $\vdash \vdash$    | -        |   |           |      |       | 110        | $\sqcup$      | $\bot$  | _            | <u> </u>        | $\sqcup$   | _        | _        | $\dashv$      |
| 5 11              | V                     | +        | $\vdash \vdash$                                  | $\dashv$ | -                 | _  | -                                       |   | $\vdash$  | 61       | -                       | - -     | -      | $\vdash$           | $\dashv$ | $\dashv$                                | $\square$ |      |       | 111        |               | - -     | ↓_           | <u> </u>        | $  \bot  $ | $\dashv$ | 4        | $\dashv$      |
| 6 12              | =                     | +        | $\vdash \vdash$                                  | _        | -                 | -  | -                                       |   | $\vdash \vdash$   | 62       |                         | - -     | -      | $\vdash$           | -        | -                                       | _         |      |       | 112        |               | $\bot$  | +            | <u> </u>        | Щ          | $\dashv$ | 4        | 4             |
| 13                | 1                     |          | ┝╾┤  |          | $\dashv$          | +  | +                                       |   | $\vdash \!$ | 63       |                         | +       | +      | $\vdash \vdash$    | +        | $\dashv$                                |           |      |       | 113        | -             | +       | +            | $\vdash$        | Н          | $\dashv$ |          | $\dashv$      |
| 14<br>15          | 1                     | +-       | $\vdash \vdash$                                  |          | $\dashv$          | +  | +                                       | rosi<br>Luc                               | $\vdash \vdash$   | 64       | -                       |         | +      | $\vdash \vdash$    | +        | $\dashv$                                | $\sqcup$  | Ļ    |       | 114        | -             | +       | +-           | <del> </del>    | $\vdash$   | $\dashv$ | $\dashv$ | -             |
|                   | -                     |          | $\vdash$   | $\dashv$ | $\dashv$          | +  |   |   |   | 65       |                         | -       | +-     | ┥                  | -        |   |           |      |       | 115        | _             | -       | -            | ├               |            |          | -        | $\dashv$      |
| 16<br>17          | <del>       </del>    | - -      | $\vdash \vdash$                                  | $\dashv$ | $\dashv$          | -  |   |   | $\vdash$  | 66<br>67 | +                       | +       | +-     | <del>  </del>      | -        | $\dashv$                                | -         |      |       | 116        | -             | -       | +            | -               | Н          | $\dashv$ | $\dashv$ | $\dashv$      |
| 18                | 4                     |          | Н  | $\dashv$ | $\dashv$          | +  | +-                                      |   |   | 68       | +                       | +       | ┿      | $\vdash$           |          |   |           | -    |       | 117        | $\vdash$      | -       | +            | ├-              | _          | -        | $\dashv$ | $\dashv$      |
| 7 19              | =                     | +        | Н  |          | +                 | +  | +-                                      | i.g                                       |   | 69       | +                       | +       | +-     | $\left  - \right $ | -        | - -                                     | -         |      |       | 118        | -             |         | +-           | ├-              |            | +        | $\dashv$ | $\dashv$      |
|                   | 7                     | -        | Н  | $\dashv$ |                   | -  | +-                                      |   | $\vdash$  | 70       | $\dashv$                |         | -      |                    | +        | +                                       | -         |      |       | 119        |               | -       | +            | ┢               | Н          | +        | $\dashv$ | 4             |
| 8 20<br>9 21      | 11                    | +        | ┝╾┤  | $\dashv$ | $\dashv$          | -  |   |   |   | 71       | +                       | +       | +      | $\vdash$           |          |   |           |      |       | 120<br>121 | -             | +       | ┼            | <del> </del>    | _          | -        | $\dashv$ | 4             |
|                   | <del>        -</del>  | $\dashv$ | ┝╾┤  |          | $\dashv$          | +  | +                                       |   |   | 72       |                         | +       | +      |                    | -        | -                                       | -         |      |       | 122        | $\dashv$      |         | +-           | -               | -          | $\dashv$ | $\dashv$ | $\dashv$      |
| 10 22             | +++                   | +        |  | -        | $\dashv$          | +  | +                                       |   | $\vdash$  | 73       | -                       | +       | ╁      | $\vdash$           | $\dashv$ | - -                                     |           |      |       | 123        | -             | _       | -            | ├               |            | +        | $\dashv$ | $\dashv$      |
| 12 24             | +H+                   |          | H  |          | -                 | +  | +                                       |   |   | 74       | +                       | +       | +      | ╂═╌┨               | $\dashv$ | +                                       | -         |      |       | 123        |               | -       | +            | $\vdash$        | Н          | +        | $\dashv$ | 긕             |
| 13 25             | HH                    | +        | -  | $\dashv$ | $\dashv$          |  | +-                                      |   | <del></del>   | 75       | +                       | .       | ╁      | $\vdash$           | $\dashv$ |   | -1        |      |       | 125        |               |         | ╁            | $\vdash$        | Н          | $\dashv$ | $\dashv$ | $\dashv$      |
| 14 26             | +++                   | +        | <del>                                     </del> | -        | $\dashv$          | $\dashv$                                       | +                                       | :   | $\vdash$  | 76       | -                       | +       | ╁╴     | $\vdash$           | -+       | $\dashv \dashv$                         | -         |      |       | 126        |               | +-      | ╁            | ┢               | -          | $\dashv$ | $\dashv$ | $\dashv$      |
| 15 27             | W                     | +        | Н  | $\dashv$ | $\dashv$          | $\dashv$                                       | +-                                      |   | $\vdash$  | 77       | $\dashv$                |         | +-     |                    | +        | +                                       | $\dashv$  |      |       | 127        |               | +       | +            | $\vdash$        | Н          | $\dashv$ | $\dashv$ | $\dashv$      |
| 16 28             |                       | +-       | H  |          | _                 |  | -                                       | ::::                                      |   | 78       |                         |         | +-     | +                  | $\dashv$ | +                                       | $\dashv$  |      |       | 128        | $\dashv$      | +       | +            |                 | Н          | _        | $\dashv$ | $\dashv$      |
| 29                | -                     |          | H  | $\dashv$ | $\dashv$          | $\top$   | -                                       |   | $\vdash$  | 79       | $\dashv$                | +       | +      |                    | $\dashv$ | + +                                     | $\dashv$  |      |       | 129        | -             | +       | +            | $\vdash$        | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$      |
| 30                | 1                     | +        | Н  | $\dashv$ | $\neg$            | $\neg$   | +                                       |   |   | 80       |                         | _       | +      | $\Box$             | $\dashv$ | -                                       |           | 1    |       | 130        | $\dashv$      | +       | +            | -               |            | _        | $\dashv$ | -             |
| 31                |                       | 1        |  |          | _                 | _  |   |   |   | 81       | $\dashv$                | $\top$  | +      | $\vdash$           | $\neg$   |   |           |      | -     | 131        |               | +       | +-           | ┢               |            | $\dashv$ | $\dashv$ | ᅥ             |
| 32                |                       |          | П  |          | _                 |  |   | init.                                     | $\Box$  | 82       |                         |         |        |                    |          |   |           |      |       | 132        |               |         | 1            |                 |            |          | _        | 7             |
| 33                |                       |          | П  | $\neg$   | $\neg$            | $\top$   | $\top$                                  |   |   | 83       |                         | _       | $\top$ | H                  | _        |   |           |      |       | 133        |               | $\top$  |              |                 |            |          | $\dashv$ | $\neg$        |
| 34                |                       |          |  | $\neg$   | Ť                 | $\top$   | $\top$                                  | ***                                       |   | 84       | $\neg$                  | $\top$  | 1      | П                  | $\dashv$ | 11                                      |           |      |       | 134        |               | 1       | $\top$       |                 | М          | $\dashv$ | $\dashv$ | $\dashv$      |
| 35                |                       |          |  |          |                   | 丁  |   | 4i.                                       |   | 85       | $\Box$                  |         | T      |                    | $\dashv$ | $\neg \neg$                             | $\Box$    |      |       | 135        |               | $\top$  |              |                 | П          | $\neg$   | $\dashv$ | $\neg$        |
| 36                |                       |          |  |          | $\Box$            |  |   |   |   | 86       | $_{oldsymbol{	ext{-}}}$ |         |        |                    |          |   |           |      |       | 136        |               |         |              |                 | П          | $\neg$   | ヿ        | $\neg$        |
| 37                |                       |          |  |          | $\Box$            | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ |   |   |   | 87       | $\Box$                  |         | Ι      |                    |          |   |           |      |       | 137        |               |         | Ι            |                 |            | $\Box$   | $\Box$   | $\overline{}$ |
| 38                | $\Box \Box$           |          |  |          | $oldsymbol{\bot}$ |  |   |   |   | 88       | $\Box$                  |         |        |                    | $\Box$   |   |           |      |       | 138        |               |         | $oxed{\Box}$ |                 |            |          |          |               |
| 39                |                       |          |  |          | $\Box$            | $\perp$  |   | ::: :<br>:::::::::::::::::::::::::::::::: |   | 89       |                         |         |        |                    |          |   |           | [    |       | 139        |               | $\perp$ |              |                 |            |          | $\Box$   | $\Box$        |
| 40                | $\sqcup \!\!\! \perp$ |          | Ш  |          |                   |  |   |   |   | 90       |                         |         |        | Ш                  | $\Box$   |   |           | . [  |       | 140        |               |         |              |                 |            | $\Box$   | $\Box$   |               |
| 41                | $\perp \perp$         |          | $\sqcup$   | $\Box$   | $\perp$           |  |   |   | $oxed{oxed}$  | 91       | $-\downarrow$           |         |        | $\Box$             |          | $\Box$                                  |           |      |       | 141        | $\Box$        |         |              |                 |            | $\Box$   | $\Box$   |               |
| 42                |                       |          | Ш  | $\Box$   | $\perp$           | $\perp$  | 1                                       |   | $\sqcup \downarrow$   | 92       | $\perp \!\!\! \perp$    |         | 1      | $\sqcup$           |          | $\bot$                                  | Ш         |      |       | 142        |               |         | L            |                 |            | $\Box$   | $\Box$   | _]            |
| 43                | <b> </b>  _           | $\perp$  | Ш  |          | 4                 | _ _  | $\perp$                                 |   |   | 93       | $\perp$                 | $\perp$ | _      | Ш                  | $\perp$  | $\bot$                                  |           |      |       | 143        | $\Box$        | ┸       |              |                 | Ш          | $\bot$   | $\Box$   | _             |
| 44                | $\sqcup \bot$         | -        | $\sqcup$   | $\dashv$ | 4                 | _ _  | $\perp$                                 |   |   | 94       | $\perp$                 | $\perp$ | _      | Ш                  | _        |   |           |      |       | 144        | $\perp \perp$ | $\perp$ | $\perp$      | $\vdash$        | Ш          | $\perp$  | $\dashv$ | $\Box$        |
| 45                | $\sqcup \bot$         | -        |  |          | _                 | _  | $\perp$                                 | <br>1                                     |   | 95       | _                       | $\perp$ |        | Ш                  | $\perp$  | _ _                                     | Ц         |      |       | 145        | $\perp$       | $\bot$  | $\perp$      | $oxed{igspace}$ | Щ          | $\perp$  | $\dashv$ | $\Box$        |
| 46                | $\vdash$              | 4        | Щ  | _        | 4                 | _  | 4-                                      |   |   | 96       | 4                       | _ _     | 1      |                    | 4        | $\bot$                                  | Щ:        |      |       | 146        | $\perp$       | $\bot$  | 1            | Щ               | Щ          |          | _        | _             |
| 47                | $\vdash$              |          | $\sqcup$   | $\dashv$ | 4                 | _  |   | . :::                                     |   | 97       | 4                       | $\bot$  | $\bot$ | $\sqcup$           | $\dashv$ | $\perp$                                 | Ц         | - [  |       | 147        | Ц.            | _       | $\perp$      | <u> </u>        | Щ          | _        | _        | _             |
| 48                |                       | +        | $\vdash \vdash$                                  | -        |                   | 4  | -                                       | ·: ::                                     | -   | 98       |                         | 4       | +      | $\sqcup$           | $\perp$  | $\dashv$                                | Ц!        |      |       | 148        | -             | +       | +            | ļ               | Щ          | $\dashv$ | _        | $\dashv$      |
| 49                | $\vdash$              |          | $\vdash \vdash$                                  |          | -                 | +  | -                                       |   |   | 99       | -                       | $\perp$ | -      | $\sqcup$           | +        |   | _         |      |       | 149        | $\dashv$      |         | +            | <u> </u>        | $\vdash$   | $\dashv$ | $\dashv$ | 4             |
| 50                |                       |          |  |          | L                 |  | لــــــــــــــــــــــــــــــــــــــ |   | LL  | 100      |                         |         | _L_    | ┸                  | L        | لــــــــــــــــــــــــــــــــــــــ |           | L    |       | 150        |               | L_      |              |                 | Ш          |          |          |               |